

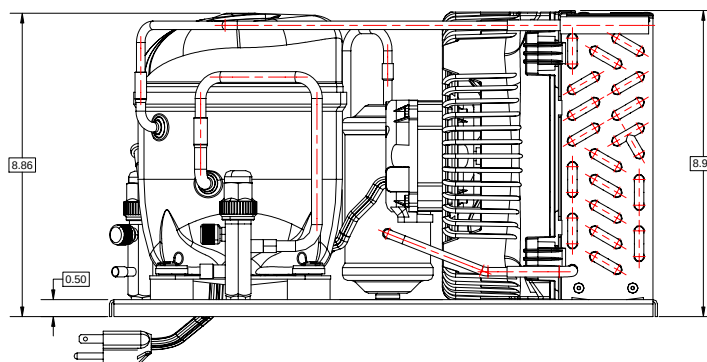
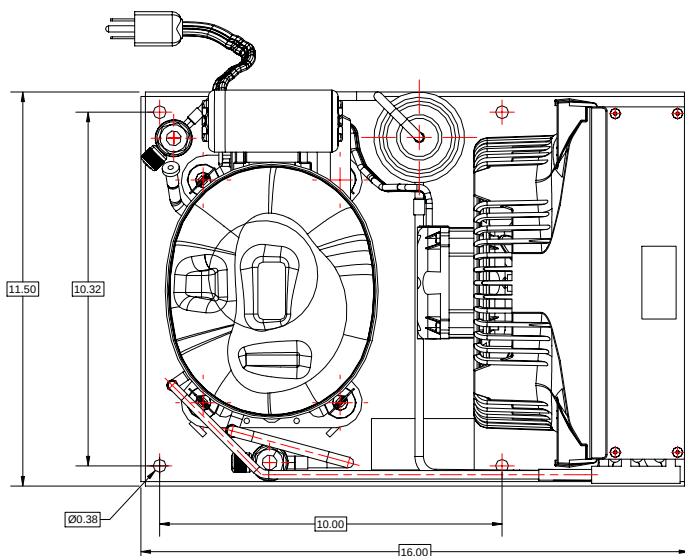
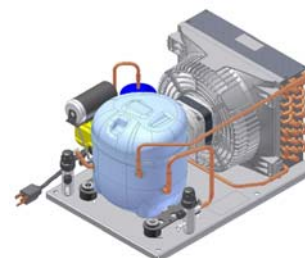


CELSEON® LOW PROFILE CONDENSING UNIT



Model AE4440Z-AA1ASK, -SB, -SC, -SS
BOM 32F364-39S, -49S, -59S, -69S

Air Cooled 1/3 HP
Application High/Commercial Temp
Refrigerant R404A
Volts-Hz-Ph 115-60-1



Model	Dimensions, inches (mm)			Line Connections		Pumpdown	AirFlow	Oil Ch.	Gross weight
	L	W	H	Suction	Liquid	90% @90°F	CFM	Oz.	Lbs. (Kg)
AE4440Z-AA1ASK	16 (406)	11.5 (292)	8.9 (226)	5/16" Sweat	1/4" Sweat	n/a	190	9.5	38.1 (17.3)
AE4440Z-AA1ASB						1.36			38.7 (17.6)
AE4440Z-AA1ASC				3/8" Valve Sweat	1/4" Valve Sweat	n/a			39.5 (17.9)
AE4440Z-AA1ASS						n/a			38.9 (17.6)

Factory charge 20 PSIG dry air, **MUST BE EVACUATED**

Evaporator		Ambient Temperatures															
		80°F				90°F				100°F				110°F			
T, °F	PSIG	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T
-10	24.3	1410	350	221	95	1260	350	251	104	1110	360	283	113	950	360	319	122
-5	28.9	1580	370	226	97	1400	370	257	106	1240	380	290	115	1090	380	327	123
0	33.4	1760	390	232	99	1560	390	263	108	1380	400	298	117	1230	400	335	125
5	39.0	1960	410	239	101	1740	410	270	110	1540	420	306	118	1370	430	343	127
10	43.9	2170	430	247	103	1930	440	278	112	1710	440	314	121	1510	450	352	129
15	49.8	2390	450	256	105	2130	460	287	114	1890	470	324	123	1660	480	361	131
20	56.1	2630	470	265	108	2350	480	297	117	2090	490	333	125	1800	500	371	133
25	62.9	2890	490	275	111	2590	500	307	119	2300	520	344	127	1950	530	381	135
30	70.2	3160	510	286	113	2840	530	318	122	2520	540	355	130	2100	550	391	137
40	87.0	3750	560	310	119	3390	580	342	127	3020	600	378	135	2400	600	412	142

Performance @ 60 Hz, Return gas 40°F below 20°F Evaporator and 65°F above 20°F evaporator, SubCooling 5°F

Parts/Specifications			
Unit BOM	32F364-39S	Condenser	506-G434
Unit MODEL	AE4440Z-AA1ASK	Fan Guard	116-002P
		Condenser, Fan Guard Kit	K135-02
Refrigerant	R404A	Power Cord	85106-10
Refrigeration RANGE	-10°F to 45°F		
Design Pressure Low	181	Fan Motor	NUT6B09PUN301
Design Pressure High	450	Fan Motor RLA	0.58
Volts - HZ - Ph	115V ~ 60HZ	Fan Blade	4VEA010
Voltage Range	103.5 - 126.5	Replacement Fan Motor	9W115
Min. Circuit Ampacity	8.46	Fan Motor, Blade, Guard assy	GFBG-109
Max. Fuse Size	15		
Compressor MODEL	AE4440Z-AA1A		
Compressor BOM	AE-1068-E		
Compressor LRA	36	Unit BOM	32F364-49S
Compressor RLA	6.3	Unit MODEL	AE4440Z-AA1ASB
		Liquid Receiver	51085-1
OverLoad	830-10116		
Replacement Kit - O/L	K90-56	Unit BOM	32F364-59S
Relay	820-10078	Unit MODEL	AE4440Z-AA1ASC
Replacement Kit - Relay	K71-36	Liquid Receiver	51085-1
Run Capacitor		Liquid Valve	56605
Run Capacitor Rating		Suction Valve	56604
Start Capacitor	85PS165C99		
Start Capacitor Rating	270-324 MFD 165V	Unit BOM	32F364-69S
		Unit MODEL	AE4440Z-AA1ASS
Unit drawing DGU	DGU1896-G103	Liquid Valve	56605
Electrical Diagram	DEAE-10	Suction Valve	56604

